

**Notice of Allowability**

Application No.

10/782,422

Examiner

Farhan M. Syed

Applicant(s)

GHAZAL, AHMAD SAID

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/27/07.
2. ☒ The allowed claim(s) is/are 4-18, 24-29, 33-38, 42-47 and 51-56.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**JEFFREY GAFFIN**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**

### **DETAILED ACTION**

1. Claims 4-18, 24-29, 33-38, 42-47, and 51-56 are pending.
2. The Examiner acknowledges the cancellation of claims 1-3, 19-23, 30-32, 39-41, and 48-50.
3. The Examiner acknowledges the Terminal Disclaimer filed 13 July 2007.

### ***Allowable Subject Matter***

4. Claims 4-18, 24-29, 33-38, 42-47, and 51-56 are allowed over the prior art of record.

### ***Reason for Allowance***

5. The following is an examiner's statement of reason for allowance: The closest prior art of record a non-Patent literature titled "Applying Conditions and Parameters" by UVA ODS Specialists, 17 July 2002, pages 1-18 does not disclose, suggest, or teach the claimed limitations of (in combination with all other features in the claim), a computer-implemented method for analyzing a query, the query including one or more conditions and one or more sub-queries, the conditions including one or more connecting conditions that introduce the sub-query, each of the sub-queries including zero or more conditions, the method including: determining the satisfiability of the query, including: determining the satisfiability of the connecting conditions; determining the satisfiability of the conditions in the sub-queries; and determining the satisfiability of all other conditions; where determining the satisfiability of the conditions includes: creating

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and populating a global conditions set; and determining the satisfiability of the global conditions set; and where the query include a clause of the form (X CC (SELECT Y FROM T), where CC is a connecting condition, X and Y are variables or columns, T is a set of one or more table or views, and where populating the global conditions set includes: if CC is "IN," adding (X=Y) to the global conditions set; if CC is "NOT IN," adding (X<>Y) to the global conditions set; and if CC includes arithmetic comparison COMP, adding (X COMP Y) to the global conditions set.

The dependent claims, being further limiting to the independent claims, definite and enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farhan M. Syed whose telephone number is 571-272-7191. The examiner can normally be reached on 8:30AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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